

## Compact and powerful red light emitter for marking cutting lines and many other optical projections - Series LT1S20



### M4303L4VL0

**Type of projection:** Line

**Wavelength:** 635 nm (bright red)

**Max output power:** 3 mW

**Supply voltage:** 9-36 Vdc 10-30 Vac Trigger 5-30Vdc

**Protection class:** IP67

### TECHNICAL DETAILS

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Code</b>                        | M4303L4VL0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Light source</b>                | Laser diode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Type of projection</b>          | Line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Wavelength</b>                  | 635 nm (bright red)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Max output power</b>            | 3 mW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Supply voltage</b>              | 9-36 Vdc 10-30 Vac Trigger 5-30Vdc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Operating current</b>           | <40 mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Connection</b>                  | M12 connector + cm 500 cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Casing</b>                      | Green anod.alum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dimension</b>                   | 20x145 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Linelength</b>                  | Max 2mt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protection class</b>            | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Laser class</b>                 | 2M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage temperature °C/°F</b>   | -40 +85 °C / -40 +185 °F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Operating temperature °C/°F</b> | -10 +50 °C / 14 +122 °F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Application sector</b>          | Nautical constructions, construction, rubber, plastic, metals, textiles, ceramics, wood, marble and stone, glass, paper, leather/skins, tyres, medicine, measurements etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Color</b>                       | Bright red                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Note</b>                        | For better use you have to specify the focus distance. If not specified, emitter is focused for infinity. Line lenses with spread 5°, 20°, 30°, 45°, 90° available. The line has a wide, at a distance of mm 1000 from the emission point and perpendicularly to laser beam, as it follows: 05° spread = mm 70 ; 20° spread = mm 310 ; 30° spread = mm 660 ; 45° spread = 800mm; 90° spread = mm 1800. You have to specify the spread that you wish. If not specified, emitter is shipped with a 90° spread lens. The visibility and the length of the line depend on the mounting of the laser and the brightness of the environment. Other optical projections available on request |

### RELATED ACCESSORIES

- Stabilized power supplier input 100-240Vdc, output 24Vdc, 1A, DIN attachment
- Reclining bracket for 20 mm diam module, black
- Inox rod diam mm 20x295, side milled, fixing holes (to be used with brackets 9SM2001N00 - 9SM5001N00)
- Horiz/vert twistable bracket for 20 mm diam module, black anod. alum., mountable on 20 mm diam rod
- Adjustable bracket for 20 mm diam module, flat, black, 12 mm diam inox rod included
- Protection for 20 mm diam module - white

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